

# MLTI JSS Recommended Settings

Updated Thursday, September 1, 2016

## Requirements:

### Software:

MLTI cloud-hosted JAMF Software Server (JSS)

## Settings -> Network Organization -> Departments

Create a department called 'Non-MLTI' into which non-MLTI devices managed by your JSS will be placed.

### Departments

 <b>New</b>
<b>Name</b>
<u>Non-MLTI</u>

Non-MLTI devices do not qualify for license for MLTI provided applications (e.g. Pages, Numbers, Keynote, iMovie, GarageBand, FileMaker Pro). The 'Non-MLTI' department can be used to exclude from scope those devices which should not receive applications for which no license is available.

## Settings -> Computer Management -> Management Framework

Set the Check-in Frequency to 60 minutes.

### Check-In

Check-in Frequency	Startup Script	Login/Logout Hooks	
<b>Recurring Check-in Frequency</b> Frequency at which computers check in with the JSS for available policies Every 60 Minutes 			

## Settings -> Global Management -> Categories

Categories can be used to group similar items in Self Service, and in the JSS. Some example categories are listed below:

### Categories

+ New	
Name	
<u>eBooks</u>	
<u>Education</u>	
<u>Printing</u>	
<u>Productivity</u>	
<u>Scripts</u>	
<u>System Update</u>	
<u>Utility</u>	
<u>Web</u>	

## Settings -> Global Management -> User-Initiated Enrollment

User-Initiated Enrollment must be configured to create the JSS management account. This account is used by the JAMF Management System to complete management tasks on managed macOS computers. This account is not intended for use by IT staff.

The Management Account should be a user that is not already on the system, and should be identifiable as the JAMF management account (e.g. 'casperadmin' or 'jssadmin').

### User-Initiated Enrollment

General	Messaging	Platforms	Access
<div>OS X   iOS   Android</div> <div><input checked="" type="checkbox"/> <b>Enable user-initiated enrollment for computers</b> Allow users to enroll computers by going to <a href="https://jss.mycompany.com:8443/enroll">https://jss.mycompany.com:8443/enroll</a></div> <div><b>Management Account</b> Account to use for managing computers enrolled by user-initiated enrollment</div> <div><b>Username</b> <input type="text" value="casperadmin"/></div> <div><b>Method for Setting Password</b> Method to use for setting the management account password <div>Randomly generate passwords</div></div> <div><b>Password Length</b> Number of password characters required <div>64 Characters</div></div> <div><input checked="" type="checkbox"/> <b>Create management account</b> Create the management account during enrollment if it does not already exist</div> <div><input checked="" type="checkbox"/> <b>Hide management account</b> Hide the management account from users</div> <div><input type="checkbox"/> <b>Allow SSH access for management account only</b> Make the management account the only account that has SSH (Remote Login) access to computers</div> <div><input type="checkbox"/> <b>Ensure SSH is enabled</b> Enable SSH (Remote Login) on computers that have it disabled</div> <div><input checked="" type="checkbox"/> <b>Launch Self Service when done</b> Ensure that computers launch Self Service immediately after they are enrolled</div> <div><input type="checkbox"/> <b>Sign QuickAdd Package</b> Ensure that the QuickAdd package is signed and appears as verified to users</div>			

Be sure that the management account is created, and hidden, and set the password to a randomly generated value. This is the most secure. Only the JSS needs to know what this password is for each device.

Launching Self Service when done is a good visual indicator that the enrollment process has completed.

## Settings -> Computer Management

### Security:

Be sure 'Enable push notifications' is enabled.

### Security

☒ **Enable certificate-based authentication**  
Ensure that the JSS verifies that device certificates on computers are valid

☒ **Enable push notifications**  
Allow the JSS to send push notifications to OS X computers. This requires a push certificate and is required for OS X configuration profiles and OS X remote commands to work

☐ **Enable SSL certificate verification**  
Ensure that computers verify that the SSL certificate on the JSS host server is valid and trusted. This option prevents computers from communicating with the JSS if the SSL certificate cannot be verified

**Package Validation**  
Conditions under which to use the checksum to validate packages  
When checksum is present:

**Maximum Clock Skew**  
Maximum UTC time difference to allow between OS X computers and the JSS host server  
No Maximum:

### Self Service:

## Self Service

Installation	Login	Notifications
<div><input checked="" type="checkbox"/> <b>Install Automatically</b> Automatically install Self Service on computers</div> <div><b>Installation Location</b> Path in which to install Self Service (e.g. "/Applications/Self Service.app") <input type="text" value="/Applications/Self Service.app"/></div>		

## Self Service

Installation	Login	Notifications
<div><input checked="" type="checkbox"/> <b>Display Notifications</b> Display notifications when new items are added to Self Service</div>		

## Self Service Mobile App:

For Schools with MLTI or non-MLTI iPad, deploy the Self Service Mobile app using device-based Managed Distribution\*. This will avoid the need for user's to log into the App Store and purchase the free Self Service Mobile app. Self Service Mobile will be automatically installed on managed, Supervised devices.

## Settings -> Global Management

Ensure that at least one VPP account has sufficient licenses available for all deployed iOS devices (MLTI and non-MLTI). If necessary, additional licenses can be obtained from the [VPP store](#).

## Mobile Devices -> Mobile Device Apps

Follow the steps from [Manually Deploying Self Service Mobile for iOS](#) article at JAMF Nation.

Additionally, after step 16, check the 'Assign VPP Content' checkbox under the VPP tab.

### ☒ **Assign VPP Content**

Assign VPP content to mobile devices with iOS 9 or later

The additional step to 'Assign VPP content' will ensure that Self Service Mobile will install using the license acquired through VPP rather than prompting the user to sign into the App Store.

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\* Managed Distribution licenses for Self Service Mobile must be purchased from the 'Content' section of Apple School Manager.

# Computers -> PreStage Enrollment

Configure the PreStage enrollment for MLTI macOS devices as shown:

## MLTI Enrollment

The screenshot shows the 'MLTI Enrollment' configuration page with the 'General' tab selected. The left sidebar contains a list of settings categories: General, Account Settings, User and Location, Passcode, Purchasing, Attachments, Certificates, and Directory. The main content area is titled 'General' and contains the following settings:

- Display Name:** A dropdown menu showing 'MLTI Enrollment'.
- Device Enrollment Program Instance:** A dropdown menu showing 'MLTI Test'.
- Automatically assign new devices:** A checked checkbox.
- Use existing location information, if applicable:** A checked checkbox.
- Support Phone Number:** A text field containing '207-688-4501'.
- Department:** A text field containing 'Apple'.
- Make MDM Profile Mandatory:** A checked checkbox.
- Allow MDM Profile Removal:** A checked checkbox.
- OS X Setup Assistant:** A section with several checkboxes: 'Restore' (unchecked), 'Apple ID' (unchecked), 'Terms of Service' (unchecked), 'Diagnostics' (unchecked), 'Registration' (checked), and 'FileVault' (checked).

## MLTI Enrollment

The screenshot shows the 'MLTI Enrollment' configuration page with the 'Account Settings' tab selected. The left sidebar contains a list of settings categories: General, Account Settings, User and Location, Passcode, Purchasing, Attachments, Certificates, and Directory. The main content area is titled 'Configure Account Settings' and contains the following text:

Use this section to define account settings. If this payload is configured, the Setup Assistant will not continue until the payload is installed. This may increase the device setup time for users. Configuring this payload also disables the ability to set up FileVault in the Setup Assistant.

At the bottom of the main content area is a 'Configure' button.

Options in Account Settings may be configured, but please be sure to verify that results match your expectations.

It should be noted that options configured here will NOT be reflected in devices that are enrolled via means other than the PreStage enrollment (e.g. QuickAdd.pkg), so it may be advisable to configure these options later via policy.

# Mobile Devices -> PreStage Enrollment

Configure the PreStage enrollment for MLTI iOS devices as shown:

## MLTI Enrollment

The screenshot shows the 'MLTI Enrollment' configuration page in Apple School Manager. The left sidebar contains navigation links: 'General' (selected), 'Mobile Device Names', 'User and Location', 'Purchasing', 'Attachments', and 'Certificates'. The main content area is titled 'General' and includes the following settings:

- Display Name:** A text field containing 'MLTI Enrollment' with a user icon to its right.
- Device Enrollment Program Instance:** A dropdown menu showing 'MLTI Test'.
- Automatically assign new devices:** A checked checkbox with the description 'Automatically assign all new devices to this PreStage enrollment.'
- Use existing location information, if applicable:** An unchecked checkbox.
- Support Phone Number:** A text field containing '(207) 688-4601'.
- Department:** A text field containing 'Apple'.
- Supervise Devices:** A checked checkbox with the description 'Devices will be supervised.'
  - Pairing:** A checked checkbox with the description 'Allow devices to connect to OS X computers.'
  - Disallow MDM Profile Removal:** A checked checkbox with the description 'Prevent the user from removing the MDM profile.'
  - Enable Shared iPad:** An unchecked checkbox with the description 'Allow devices with iOS 9.3 or later to be shared.'
- Make MDM Profile Mandatory:** A checked checkbox with the description 'Require the user to apply the MDM profile.'
- iOS Setup Assistant:** A section titled 'Selected items are not displayed in the iOS Setup Assistant during enrollment.'
  - Location:** Unchecked checkbox
  - Restore:** Unchecked checkbox
  - Apple ID:** Unchecked checkbox
  - Terms of Service:** Unchecked checkbox
  - Siri:** Unchecked checkbox
  - Diagnostics:** Unchecked checkbox
  - Passcode:** Unchecked checkbox
  - Touch ID:** Checked checkbox
  - Apple Pay:** Checked checkbox
  - Zoom:** Checked checkbox
  - Move from Android:** Checked checkbox

For non-MLTI Computers and Mobile Devices, please configure the PreStage enrollment to set the Department to 'Non-MLTI' (see Departments above).

### Note: For Computer and Mobile Device PreStage Enrollment:

It is recommended that a second MDM server record be created in Apple School Manager for non-MLTI devices. Associate this server record with a second Device Enrollment Program Instance in the JSS. Computer and Mobile Device PreStage Enrollments for non-MLTI devices should be associated with this secondary instance. MLTI and non-MLTI serial numbers can be associated to the appropriate MDM server record directly from within Apple School Manager.

Additionally, please be sure to set the Department in 'User and Location' to 'Non-MLTI' for all Computer and Mobile Device PreStage enrollments scoped to non-MLTI devices.

# Computers -> Mac App Store Apps

Configure MLI provided apps to automatically install on MLI devices.

## General:

Set appropriate Category.

Set 'Automatically update app' (avoid setting many apps to update at the same time)

Set 'Distribution Method' to 'Install Automatically/Prompt Users to Install'

## Pages

General	Scope	VPP
<b>Display Name</b> Display name for the app <input type="text" value="Pages"/>		
<b>Category</b> Category to add the app to <input type="text" value="Productivity"/>		
<b>Version</b> Version of the app <input type="text" value="5.6.2"/>		
<b>Bundle Identifier</b> Bundle Identifier for the app <input type="text" value="com.apple.iWork.Pages"/>		
<input type="checkbox"/> <b>Free</b> App is free		
<input checked="" type="checkbox"/> <b>Automatically update app</b> Automatically update app description, icon, and version in the JSS, and on computers when using VPP-managed distribution		
<b>iTunes Country or Region</b> Country or region to use when syncing app with iTunes <input type="text" value="United States"/>		
<b>iTunes Sync Time</b> Time to sync with iTunes each day to automatically update app description, icon, and version in the JSS, and on computers when using VPP-managed distribution <input type="text" value="12"/> <input type="text" value="00"/> a.m.		
<b>Force App Update</b> Force update for app on computers if an update is available and the app was distributed using VPP-managed distribution <input type="button" value="Force Update"/>		
<b>App URL</b> URL of the app's iTunes Preview page (e.g. "https://itunes.apple.com/us/app/name-of-app/id123456789?mt=8") <input type="text" value="https://itunes.apple.com/us/app/pages/id409201541?mt=12"/>		
<b>Distribution Method</b> Method to use for distributing the app <input type="text" value="Install Automatically/Prompt Users to Install"/>		



## Scope:

Set 'Targets' to 'All Computers'

Targets

Limitations

Exclusions

**Target Computers**  
Computers to distribute the app to  

All Computers

**Target Users**  
Users to distribute the app to  

Specific Users

+

 Add

Target	Type
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## No Targets

Set 'Exclusions' to the 'Non-MLTI' Department (see *Departments* above)

Targets

Limitations

Exclusions

+

 Add

Exclusion	Type	
Non-MLTI	Department	<div>Remove</div>

## VPP:

Check 'Assign VPP Content'

**VPP Content**

Total Content	In Use
40710	2038

☒ **Assign VPP Content**  
Assign VPP content to computers with OS X v10.11 or later

**VPP Account**  
VPP account to use to assign content  

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# Mobile Devices -> Mobile Device Apps

Configure MDT provided apps to automatically install on MDT devices.

## General:

### Display Name

Display name for the app

### Category

Category to add the app to

### Version

Version of the app

### Bundle Identifier

Bundle identifier for the app

☐ Free

App is free

### Distribution Method

Method to use for distributing the app

☒ Display app in Self Service after it is installed☒ Automatically update app

Automatically update app description, icon, and version in the JSS and on mobile devices

### iTunes Country or Region

Country or region to use when syncing app with iTunes

### iTunes Sync Time

Time to sync with iTunes each day to automatically update app description, icon, and version in the JSS and on mobile devices

  a.m.☒ Make app managed when possible

Make the app managed when managed app requirements are met

☒ Make app managed if currently installed as unmanaged

Manage the app if it is currently installed as an unmanaged app (the user is prompted to allow management on unsupervised devices)

☐ Remove app when MDM profile is removed☐ Prevent backup of app data

### Force App Update

Force update for app on mobile devices if an update is available

### App URL

URL of the app's iTunes Preview page (e.g. "https://itunes.apple.com/us/app/name-of-app/id123456789?mt=8")

## Scope:

Set 'Targets' to 'All Mobile Devices'

Targets Limitations Exclusions

**Target Mobile Devices**  
Mobile devices to distribute the app to. Does not apply to personally owned devices

All Mobile Devices

**Target Users**  
Users to distribute the app to

Specific Users

+ Add

Target	Type
--------	------

## No Targets

Set 'Exclusions' to the 'Non-MLTI' Department (see *Departments* above)

Targets Limitations Exclusions

+ Add

Exclusion	Type
Non-MLTI	Department

Remove

## VPP:

Check 'Assign VPP Content'

Device Assignments VPP Codes

**VPP Content**

Total Content	In Use
49324	10506

☒ **Assign VPP Content**  
Assign VPP content to mobile devices with iOS 9 or later

**VPP Account**  
VPP account to use to assign content

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## Settings -> Mobile Device Management -> Apple Education Support

To enable support for Classroom app, check the 'Enable Apple Education Support' checkbox.

### Apple Education Support

General	Apple School Manager
<p><input checked="" type="checkbox"/> <b>Enable Apple Education Support</b> Enable support for Shared iPad and Apple's Classroom app</p> <p><input type="checkbox"/> <b>Enable User Images</b> Enable use of user images</p> <p>Distribution Point URL for User Images URL of the distribution point for user images. It is recommended that the images are in PNG format and are 256x256 pixels [Required]</p> <p>Certificate Download CA certificate to use for authentication. This certificate is required for user images</p> <p>Download</p> <p><input type="checkbox"/> Upload Additional Certificate Upload an additional CA certificate to establish trust between the JSS and the distribution point</p>	

To enable sync of user and class data from Apple School Manager, add your Apple School Manager instance under the 'Apple School Manager' tab and select a time and frequency for the JSS to pull data from Apple School Manager.

**Display Name**  
Display name for the Apple School Manager instance  
Maine DOE

**Device Enrollment Program Instance**  
DEP instance to associate with the Apple School Manager instance  
Maine DOE

**Apple School Manager Sync Time**  
Time to sync with Apple School Manager to update class and student inventory information  
Once a week

**Day of the Week** **Time of the Day** **Time Zone**  
Sunday 2 00 a.m. Etc/UTC

**Matching Criteria for Importing Users**  
Criteria to use to match Apple School Manager user information with existing user information in the JSS when importing users

User Criteria	Operator	User Criteria
Email (JSS)	equals	Managed Apple ID

For more information, please see the [Integrate with Apple School Manager](#) section of the *Integrating with Apple School Manager to Support Apple's Education Features Using the Casper Suite* guide.